

CAREER OPPORTUNITY

Position: Heat Exchanger Design Engineer
Location: Tulsa, OK
Classification: Exempt

Job Summary:

Under the general direction of the Vice President/General Manager, the Design Engineer will have design responsibility for the shell and tube heat exchanger product line and assigned projects. Primary focus will be mechanical design, performing design calculations in accordance with the appropriate codes and standards, supervising the development of fabrication drawings and bill of materials. Position will work closely with the Thermal Engineer, Project Engineers, Designers and CAD Technicians and supervise their daily work on assigned projects and report progress. Position will also work closely with Project Manager and will be responsible for the coordination and resolution of project specific technical matters.

Main Duties/Responsibilities:

- Provide technical support for Sales & Estimating during the inquiry process.
- Review customer specifications and project documents for incorporation into drawing notes, bill of materials and purchase specifications.
- Interface with customer to ensure technical requirements are met.
- Conduct technical review meetings with other departments as required.
- Develop the Bill of Materials.
- Develop purchase specifications.
- Produce mechanical, structural calculations in accordance with the appropriate codes and standards.
- Generate drawings, specifications, and instructions necessary to convey project requirements to others.
- Ensure integrity and consistency of mechanical and structural designs throughout assigned projects.
- Review calculations, bill of materials, drawings, and other technical documents prepared by others.
- Supervise daily work of Project Engineers, Designers and CAD Technicians assigned to projects and report progress to Vice President/General Manager and Project Manager.

- Transmit all technical documents to the customer including but not limited to: drawings, calculations, quality plans, weld procedures, etc..
- Respond to shop and field questions and/or non-conformances.
- Support commissioning and startup of equipment in field, if required.
- Represent Taylor Forge in professional and industry organizations.
- Support Quality Control for testing, inspection and measurement of equipment in shop and field.
- Learn and remain current with all code rules and requirements.
- Assist with updating of the in-house programs.
- Participate in general process improvements and initiatives.
- Obtain Canadian registration numbers as required.

Qualifications:

Any combination of education and experience providing the required skill and knowledge is qualifying. Typical qualifications would be equivalent to:

- **Three (3) or more years of design engineering experience in shell and tube heat exchanger manufacturing is required.**
- **Experience using shell and tube heat exchanger mechanical design software, such as RCSWin or PV Fabricator, required.**
- Bachelor's degree in Mechanical Engineering or a related field strongly preferred.
- Oklahoma P.E. license, or ability to obtain such license, a plus.
- Good organizational skills
- Strong computer design capabilities
- Good multi-tasking capabilities
- Strong oral and written communication skills
- Good interpersonal communication skills
- Strong time management skills
- Good judgment and decision-making abilities
- Effective troubleshooting and problem solving skills
- Ability to concentrate in a diverse work setting
- Ability to work independently, with little supervision
- Good mechanical aptitude
- Good working knowledge of computer programs including AutoCAD and Microsoft Office products
- Valid driver's license and proof of insurability required

Compensation:

The successful candidate will receive a competitive salary and an attractive benefits package which may include, but is not limited to: medical, dental, life insurance and flexible spending account.

Screening:

All candidates will be subject to drug and alcohol screening and a background check prior to employment.

SUBMISSION

Submit your resume with the [applicant data sheet](#) or submit a completed [employment application form](#) to:

Postal Mail:

208 N. Iron St.

Paola, KS 66071

Attn: Human Resources

Email:

hr@tfes.com

Taylor Forge is an equal opportunity employer and all qualified applicants will receive consideration for employment.

EO/AA Employer/Veterans/Disabled.

OBSERVE ALL SAFETY PRACTICES

The above statements are intended to describe the general nature and level of the work being performed by the people holding this position and shall not be construed as a detailed description of all the work requirements that may be inherent in the job. Incumbents will follow any instructions, and perform any other related duties, as may be required.